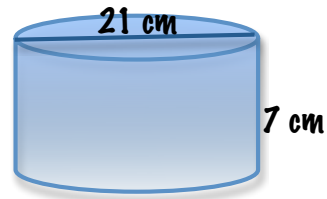


Mod 5 Review Worksheet

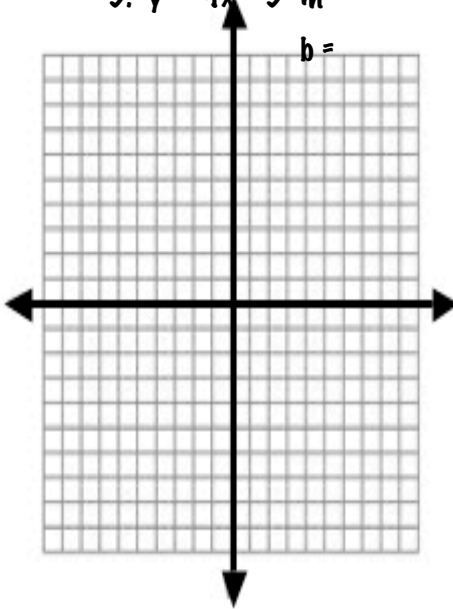
1. Find the volume of the cylinder.



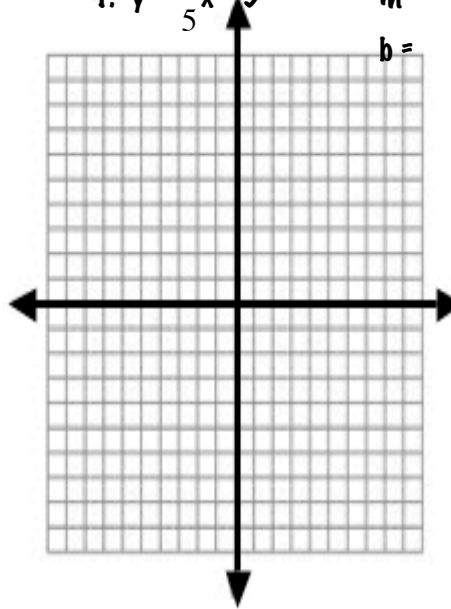
2. Find the surface area of the cylinder.

Graph the following equations in slope-intercept form:

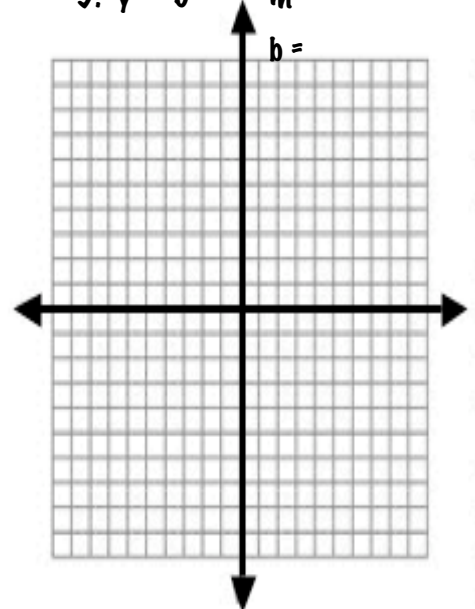
3. $y = -4x + 3$ $m =$

 $b =$ 

4. $y = \frac{2}{5}x - 3$

 $m =$ $b =$ 

5. $y = -9$

 $m =$ $b =$ 

Put the following numbers in scientific notation:

6. 3,445

7. 21

8. 0.000000213

9. 8.9910

Put the following numbers in decimal notation:

10. $1.22 \cdot 10^9$

11. $5.3 \cdot 10^{-5}$

12. $3 \cdot 10^{-1}$

Simplify. Write your answer as a single power.

13. $a^{12} \cdot a^4$

14. $16^3 \cdot 16^5 \cdot 16$

15. $\frac{m^3 \cdot m^{12}}{m^9}$

16. $\frac{x^9 \cdot y^3}{x^5 \cdot y}$

17. There are 18 girls on the Pom Pon squad. How many different ways can a caption and co-caption be chosen?